

Application Serial No. 09/715,426  
Amend. Dated November 3, 2004  
Reply to Advisory Action of October 15, 2004

**Amendments to the Claims:**

1-17. (Canceled)

18. (Previously Presented) A solid support comprising a support surface with an array of functionalized sites wherein a solution in the amount of about 50 picoliter to 2 microliter at a functionalized site is separated from solutions at other functionalized sites by surface tension, and wherein the support surface of the functionalized site has a higher surface tension relative to the support surface surrounding the functionalized site.

19. (Previously Presented) The solid support of claim 18 wherein said support surface has  $10\text{-}10^4$  functionalized sites per  $\text{cm}^2$ .

20. (Previously Presented) The solid support of claim 18 wherein said functionalized site is about 50-2000 microns in diameter.

21. (Previously Presented) The solid support of claim 18 wherein said support surface is glass.

22. (Previously Presented) The solid support of claim 18 wherein said support surface is selected from the group consisting of nylon, polyethylene, polypropylene, polystyrene and polytetrafluorethylene.

23. (Canceled)

24. (Previously Presented) The solid support of claim 18 wherein said functionalized site provides attachment to a nucleic acid.

25. (Previously Presented) The solid support of claim 18 wherein said functionalized site provides attachment to a peptide.

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26. (Previously Presented) The solid support of claim 18, 24 or 25 wherein said functionalized site provides a covalent attachment.

27. (Previously Presented) The solid support of claim 18, 24 or 25 wherein said functionalized site provides a non-covalent attachment.